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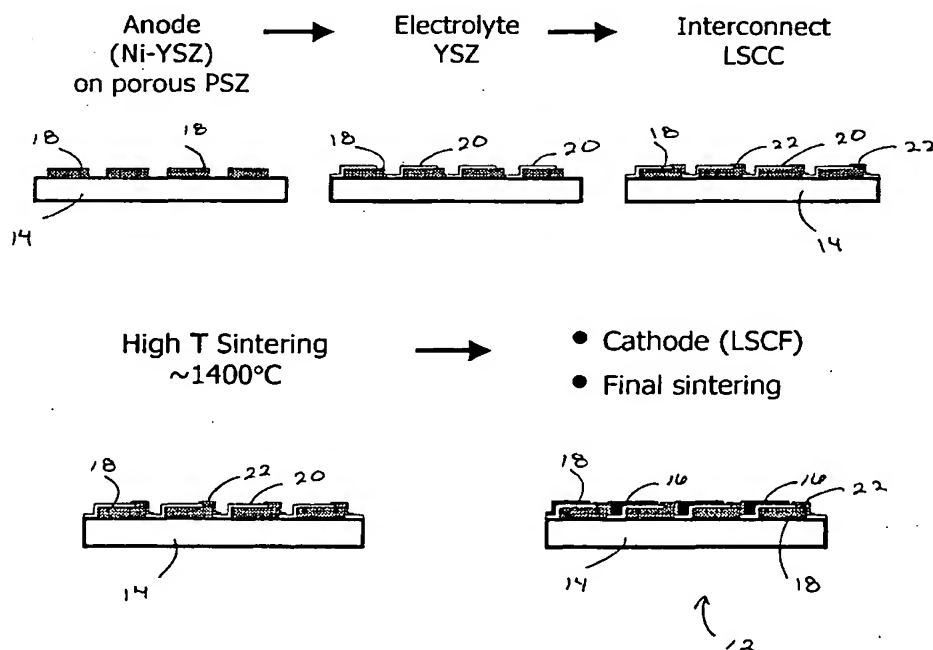
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(54) Title: **DIRECT HYDROCARBON FUEL CELLS**



(57) Abstract: A solid oxide fuel cell assembly (SOFC) having an array of SOFC's (12) connected in series by thin-film interconnects (22) are deposited onto a porous, insulating support (14), the layer (12) can be deposited in the order of electrode, electrolyte, interconnect and electrode. The patterning is such that the electrolyte (20) and interconnect (22), both of which are dense layers, are continuous, and form a gas-tight seal over the entire surface.